

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ILLINOIS, South

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION

09/03/14 02:00 CST	0	Dense Fog
09/03/14 08:00 CST	0	

Along and north of a line from the Marion/Carbondale area to Harrisburg and Shawneetown, clear skies and light winds set the stage for widespread dense fog. Heavy rain within the previous 24 hours contributed to abundant moisture in the low levels of the atmosphere. High pressure was centered over the Upper Ohio Valley, resulting in light winds across southern Illinois.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN

09/05/14 12:00 CST	0	Heat
09/05/14 17:00 CST	0	

Southwest winds ahead of a cold front brought unseasonably hot and humid air. The cold front extended from Lake Michigan southwest to the Ozarks of Missouri during the midday hours. Peak heat indices during the afternoon were around 105 degrees along and east of a line from Mount Vernon to Marion.

SALINE COUNTY --- 3.0 W HARRISBURG [37.73, -88.60]

09/05/14 15:10 CST	0	Thunderstorm Wind (EG 52 kt)
09/05/14 15:10 CST	0	Source: Law Enforcement

A wind gust was estimated near 60 mph by law enforcement personnel. Small hail also occurred.

Ahead of a cold front that extended from northern Illinois into central Missouri, isolated to scattered thunderstorms developed during the heat of the afternoon. One of these storms produced damaging winds and small hail.

JACKSON COUNTY --- (MDH)CRBNDL/MRFYSBRO [37.78, -89.25]

09/10/14 21:00 CST	0	Heavy Rain
09/10/14 21:59 CST	0	Source: ASOS

The automated observing system at the Carbondale airport measured 1.79 inches in one hour.

A large band of showers and thunderstorms accompanied a cold front as it pushed southeast across southern Illinois. The front extended southwest from a low pressure center over southeast Lower Michigan.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

09/17/14 02:00 CST	0	Dense Fog
09/17/14 08:00 CST	0	

The combination of clear skies and light winds resulted in widespread dense fog across southern Illinois. Visibility was one-quarter mile or less at times. High pressure extended from Pennsylvania southwest across the Ohio Valley.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK

09/03/14 03:00 CST	0	Dense Fog
09/03/14 08:00 CST	0	

Across most of southwest Indiana, clear skies and light winds set the stage for widespread dense fog. Heavy rain within the previous 24 hours contributed to abundant moisture in the low levels of the atmosphere. High pressure was centered over the Upper Ohio Valley, resulting in light winds across southwest Indiana.

GIBSON COUNTY --- 2.0 SW PRINCETON [38.33, -87.60]

09/10/14 20:45 CST	0	Heavy Rain
09/10/14 22:00 CST	0	Source: Trained Spotter

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A large band of showers and thunderstorms accompanied a cold front as it pushed southeast across the Lower Wabash Valley. The front extended southwest from a low pressure center over southeast Lower Michigan.

KENTUCKY, Southwest

(KY-Z014) UNION, (KY-Z018) HENDERSON

09/03/14 03:00 CST	0	Dense Fog
09/03/14 08:00 CST	0	

From the Henderson area west across Union County, clear skies and light winds set the stage for widespread dense fog. Heavy rain within the previous 24 hours contributed to abundant moisture in the low levels of the atmosphere. High pressure was centered over the Upper Ohio Valley, resulting in light winds across northwest Kentucky.

MCCRACKEN COUNTY --- 2.0 SW LONE OAK [37.01, -88.70]

09/05/14 13:30 CST	0	Heavy Rain
09/05/14 14:45 CST	0	Source: NWS Employee

An off-duty National Weather Service employee measured 2.92 inches of rain in one hour and 15 minutes. There was minor street flooding.

Ahead of a cold front that extended from northern Illinois into east central Missouri, isolated to scattered thunderstorms developed during the heat of the afternoon. One of these storms produced two to three inches of rain in one hour near Paducah.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

09/17/14 05:00 CST	0	Dense Fog
09/17/14 08:00 CST	0	

The combination of clear skies and light winds resulted in widespread dense fog across western Kentucky. Visibility was one-quarter mile or less at times. High pressure extended from Pennsylvania southwest across the Ohio Valley.

MISSOURI, Southeast

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU

09/03/14 02:00 CST	0	Dense Fog
09/03/14 08:00 CST	0	

Along and north of a line from Marble Hill to Cape Girardeau, clear skies and light winds set the stage for widespread dense fog. Visibility was one-quarter mile or less at times. High pressure was centered over the Upper Ohio Valley, resulting in light winds across southeast Missouri.

BOLLINGER COUNTY --- 10.0 N MARBLE HILL [37.44, -89.95]

09/10/14 17:49 CST	0	Funnel Cloud
09/10/14 17:49 CST	0	Source: Emergency Manager

The county emergency management director reported a funnel cloud.

A pre-frontal cluster of thunderstorms developed during the heat of the afternoon ahead of a cold front over central Missouri. As these storms progressed across southeast Missouri, a funnel cloud was reported in Bollinger County.

STODDARD COUNTY --- 2.0 S DEXTER [36.77, -89.95]

09/28/14 12:42 CST	0	Funnel Cloud
09/28/14 12:42 CST	0	Source: Public

A very narrow, rope-like funnel cloud was photographed near Dexter. The funnel cloud was associated with an isolated convective rain shower. No thunder was reported with the parent convective cell.

A few isolated showers developed beneath a pocket of cool air aloft. The center of the 700 mb cool pocket advanced eastward across southern Missouri during the afternoon. Winds were light through the depth of the atmosphere. These conditions were favorable for

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landspouts to occur during the warmth of the afternoon. At least one funnel cloud was observed over southeast Missouri.